

# Integrated Range Planning



A Process Management Improvement Model (PMIM) Approach

Howard Bullard

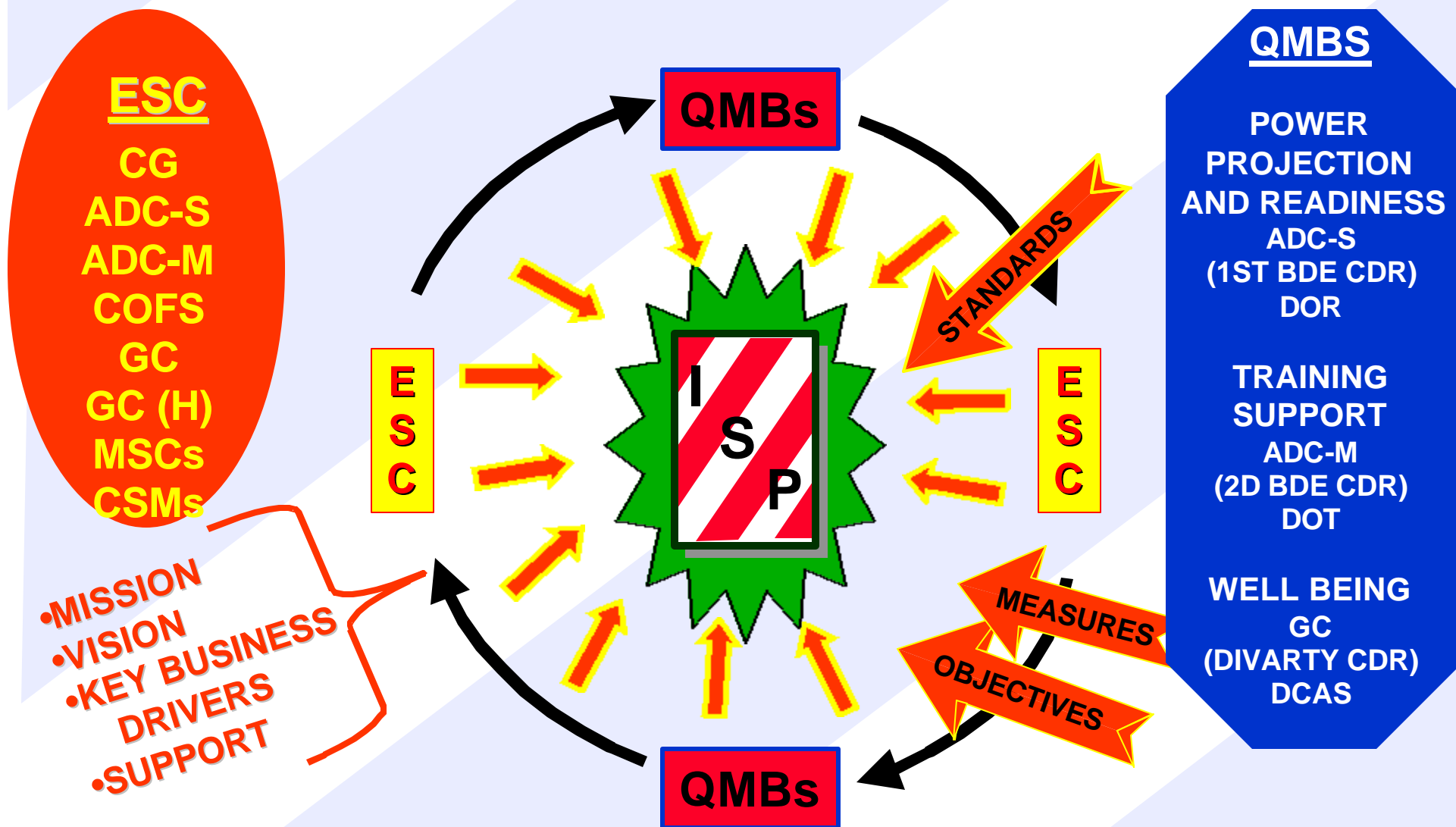
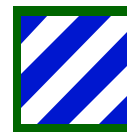
Chief, Range Division

Fort Stewart, GA



# INSTALLATION STRATEGIC PLANNING

"WE DO IT RIGHT"





# TRAINING SUPPORT



- LIVE FIRE RANGES
- MANEUVER/TRAINING AREAS
- SIMULATIONS/SIMULATORS/TNG AIDS
- TRAINING SUPPORT BLDGS/TNG AIDS

## GOALS

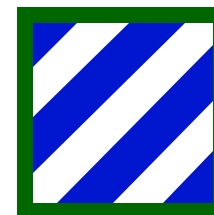
- STATE OF THE ART RANGES
- WESTERN MANEUVER AREA CAPABLE OF TRAINING BN TASK FORCE TO STANDARD
- TOP OF THE LINE SIMULATIONS IN MODERN, EFFICIENT FACILITIES
- SUFFICIENT AND MODERN TRAINING FACILITIES AND TRAINING AIDS

## MILESTONES

- FY00 CONSTRUCT MOUT & SFOR TNG FACILITIES
- FY00 RANGE TRAINING LAND PROGRAM (RTLTP)
- FY00-02 LOW WATER CROSSINGS - MANEUVER AREA
- FY00 CONSTRUCT MPTR (MCA)
- FY01 IMPROVE AERIAL GUNNERY RANGES
- FY01 UPGRADE SIMULATION CENTER
- FY01 COMPLETE MPMG RANGE
- FY00-04 FIELD DISTANCE LEARNING
- FY05 DIGITAL MPRC
- FY05 CONSTRUCT SIMULATION CENTER

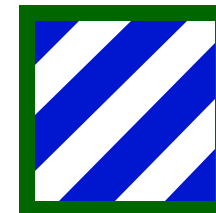


# Range and Training Land Program (RTLTP)



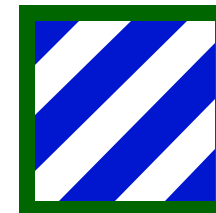
## STRATEGY

**FIX IMMEDIATE SHORTFALLS IDENTIFIED  
BY CUSTOMER FEEDBACK AND FORCE  
MODERNIZATION. GAIN COMMAND  
SUPPORT, USE ALL AVAILABLE FUNDING  
AND CONSTRUCTION RESOURCES TO  
ENERGIZE THE PROCESS.**



## **RANGE PROJECT MANAGEMENT PROCESS**

**TRAINING FACILITY IMPROVEMENT IS AN ON-GOING PROCESS. PROJECTS ARE MANAGED THROUGH THE TRAINING SUPPORT QUALITY MANAGEMENT BOARD (TSQMB) AND EXECUTIVE STEERING COMMITTEE (ESC) PROCESS BOARD MEETS QUARTERLY. RESULTS FROM THE TSQMB AND ESC ARE INTEGRATED INTO OTHER INSTALLATION PROGRAMS ESTABLISHED TO MANAGE CONSTRUCTION.**



## **RANGE PROJECT MANAGEMENT PROCESS** **(cont.)**

### **PROJECT IDENTIFICATION**

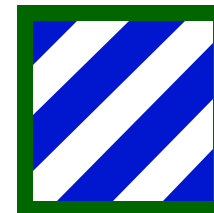
- **Customer In-put**
- **Fielding of new weapons systems**
- **Changes in training doctrine**
- **Upgrade to support new devices**
- **Environmental Issues**

### **RANGE DIVISION**

- **Confirm requirement**
- **Verify safety, suitable location, determine initial environmental and resource impact**
- **Prepare recommendation for TSQMB review**
- **Once a project is validated, serve as technical POC through all phases of construction**
- **Prepare work order & submit to DPW**



# RANGE DIVISION



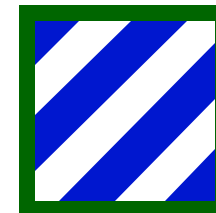
## RANGE PROJECT MANAGEMENT PROCESS (cont.)

**TRAINING SUPPORT QUALITY MANAGEMENT BOARD (TSQMB).  
CHAIRMAN ASSISTANT DIVISION COMMANDER FOR MANEUVER WITH  
BRIGADE AND SEPARATE BATTALION COMMANDERS SERVING AS  
VOTING MEMBERS.**

- **Board members review and validate project**
- **Establish project priority**
- **Approve self-help and funded projects**
- **Forward major projects to Executive Steering Committee (ESC) for approval**



# RANGE DIVISION



## RANGE PROJECT MANAGEMENT PROCESS (cont.)

**EXECUTIVE STEERING COMMITTEE (ESC). CHAIRED BY THE  
COMMANDING GENERAL WITH ASSISTANT DIVISION COMMANDERS,  
CHIEF OF STAFF, AND GARRISON COMMANDER SERVING AS VOTING  
MEMBERS**

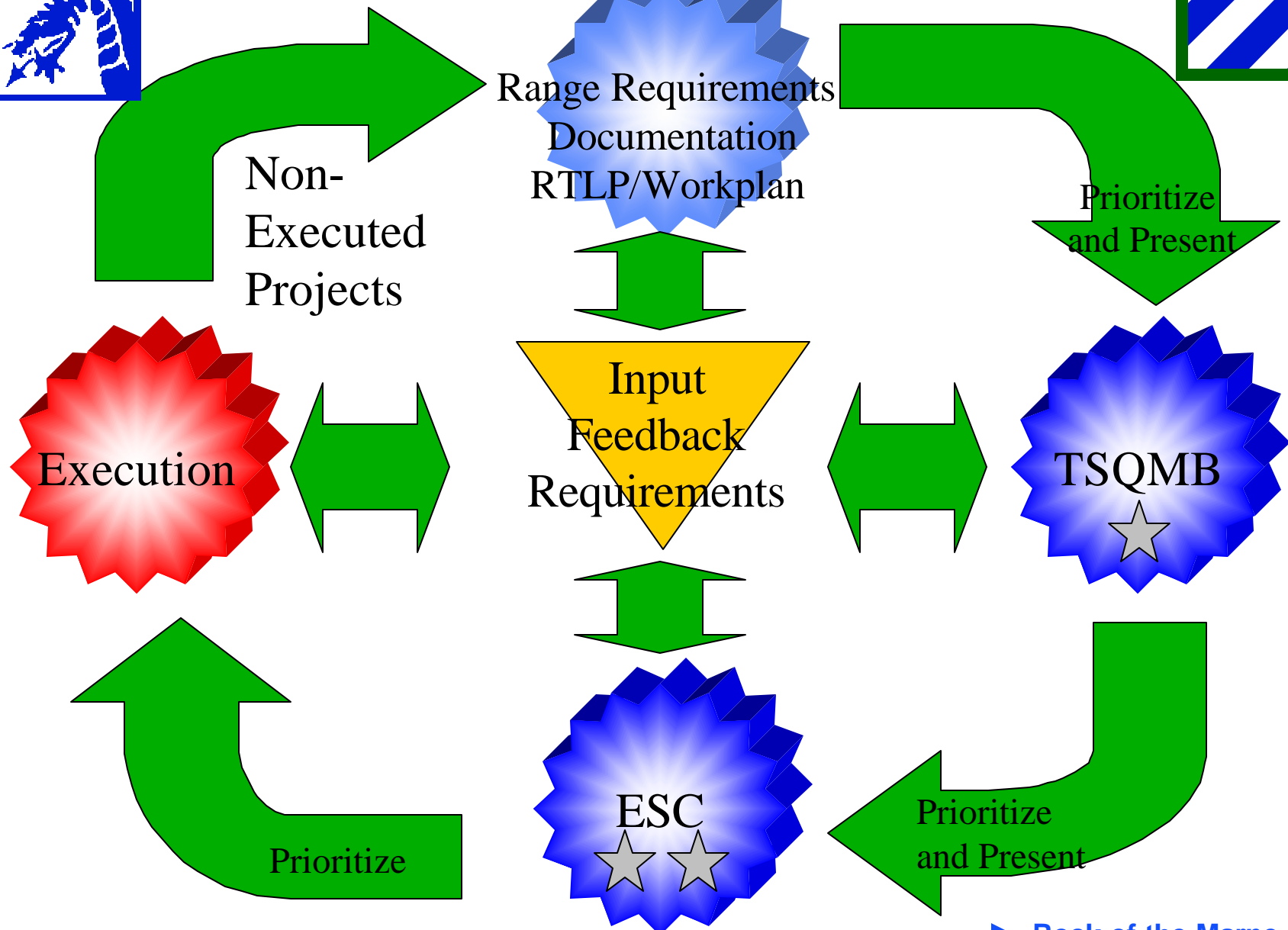
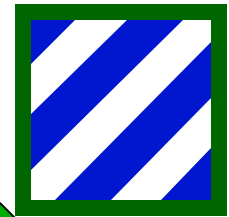
- **Approve as valid project**
- **Identify Installation priority and funding source**
- **Integrate into the installation funding plan**

**GARRISON STAFF AGENCIES COMPLETE STAFF ACTION REQUIRED TO  
TO EXECUTE DESIGNATED PROJECTS.**





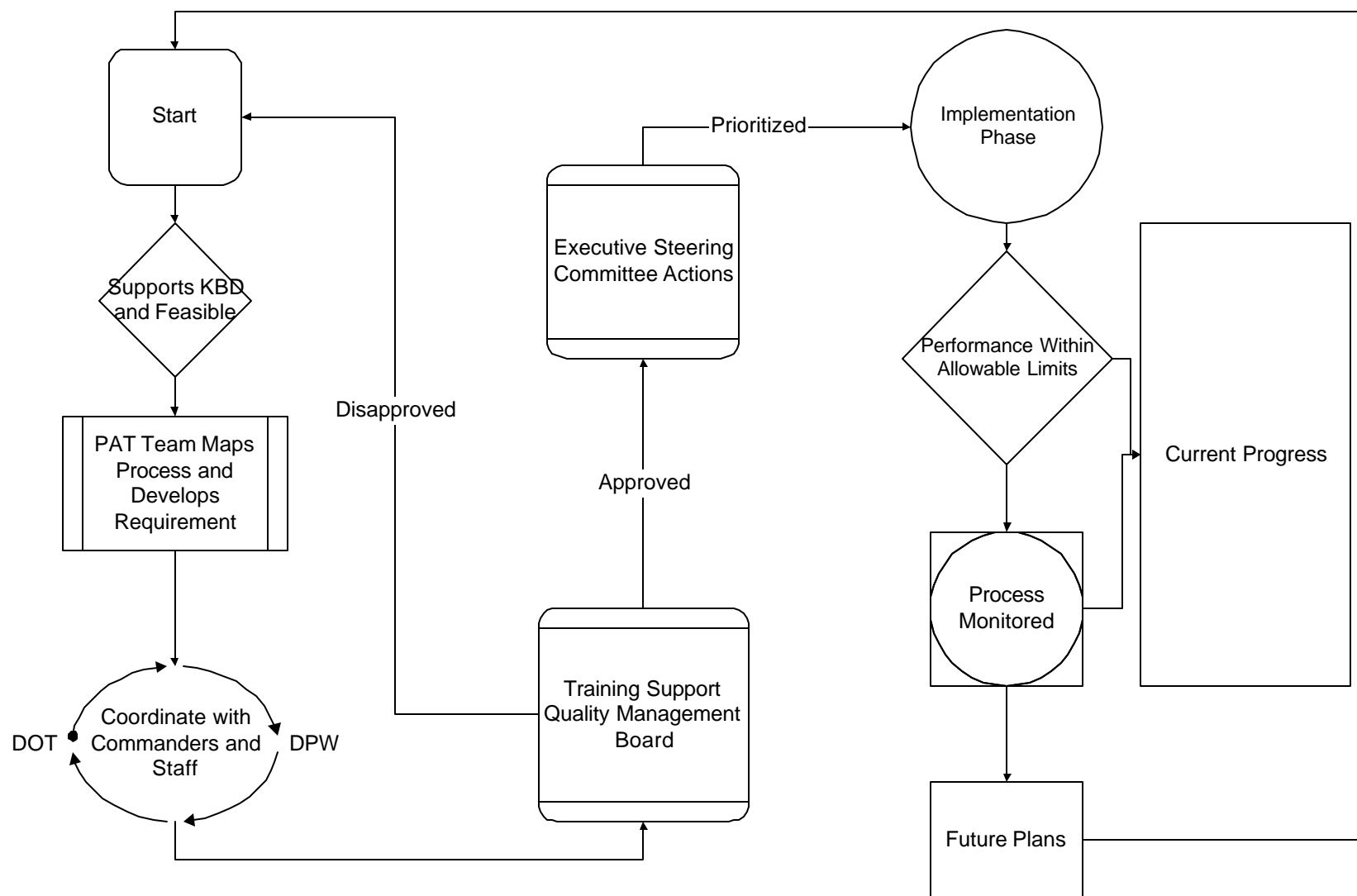
# Range Project Flowchart





# Planning and Execution

## Process Management Improvement Model (PMIM)





# Western Maneuver Area Program (WMAP) Phase I- Base Map

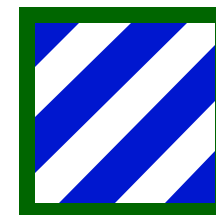


- Existing Maneuver Areas 1KM X 3KM orienting East-West
- Old Tank Ranges
- Separated by Wetlands of limited trafficability
- Many Challenges: Trafficability and Visibility

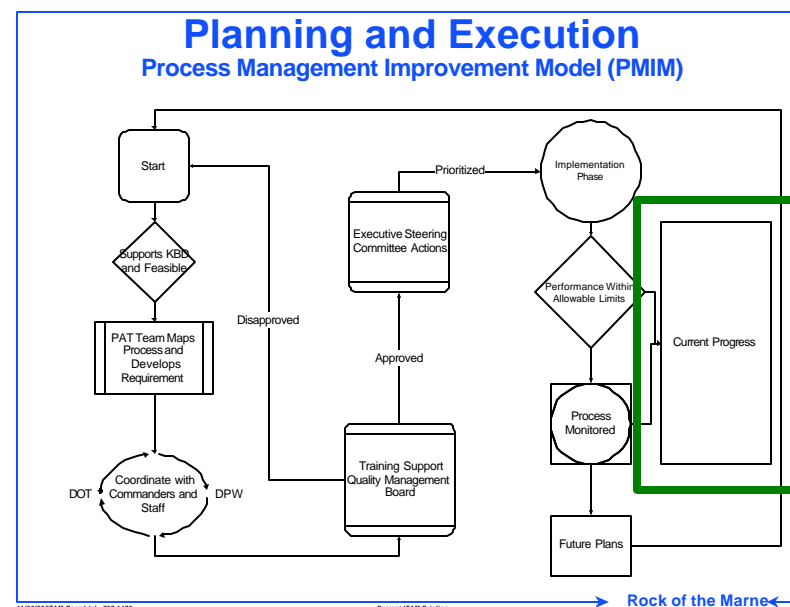


# Case Study

## Western Maneuver Area Program (WMAP)

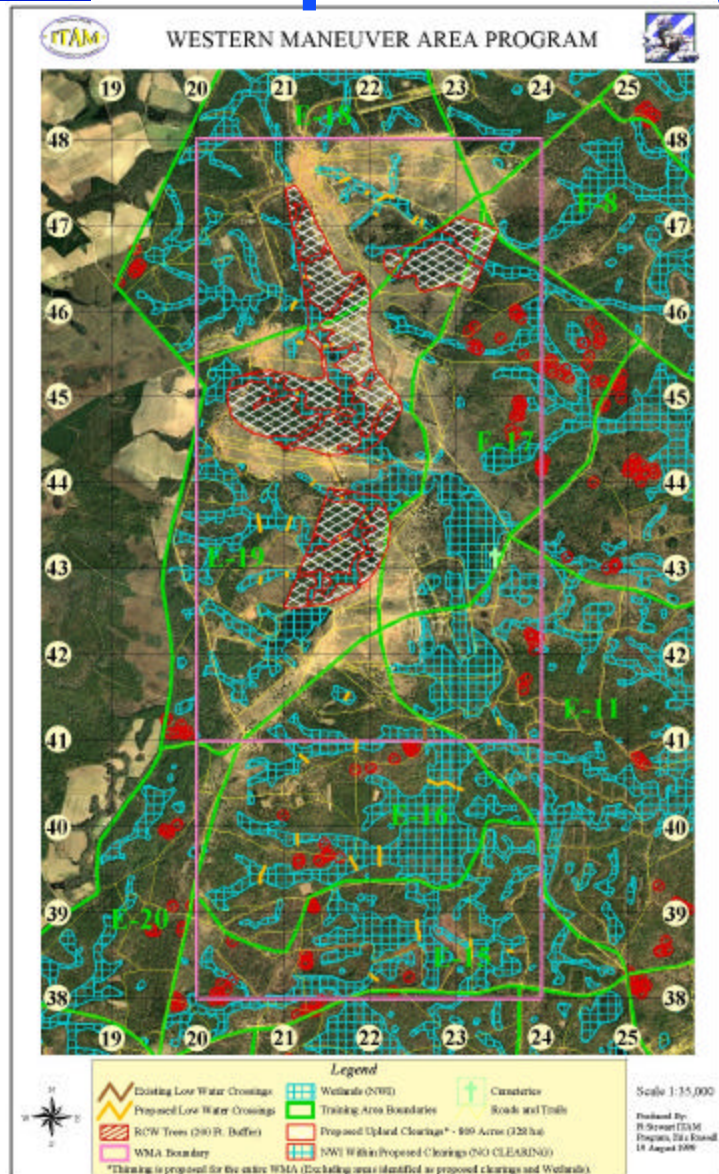


- **Identified Requirement: Increase Battalion Task Force Maneuver Capability**
- **PAT Team Formed**
  - Directorate of Training/ Range Division /Integrated Training Area Management Program
  - Natural Resources Conservation Services, United States Department of Agriculture
  - Directorate of Contracting
  - Environmental Natural Resource Division
    - » Fish and Wildlife Branch
    - » Forestry Branch
    - » Wetlands
    - » Cultural Resources
- **Supporting documents**
  - Requirements Contract
  - EA E & F Training Area Improvements (Clear-Cutting and Low Water Crossings)





# Map Showing Timber Clearing

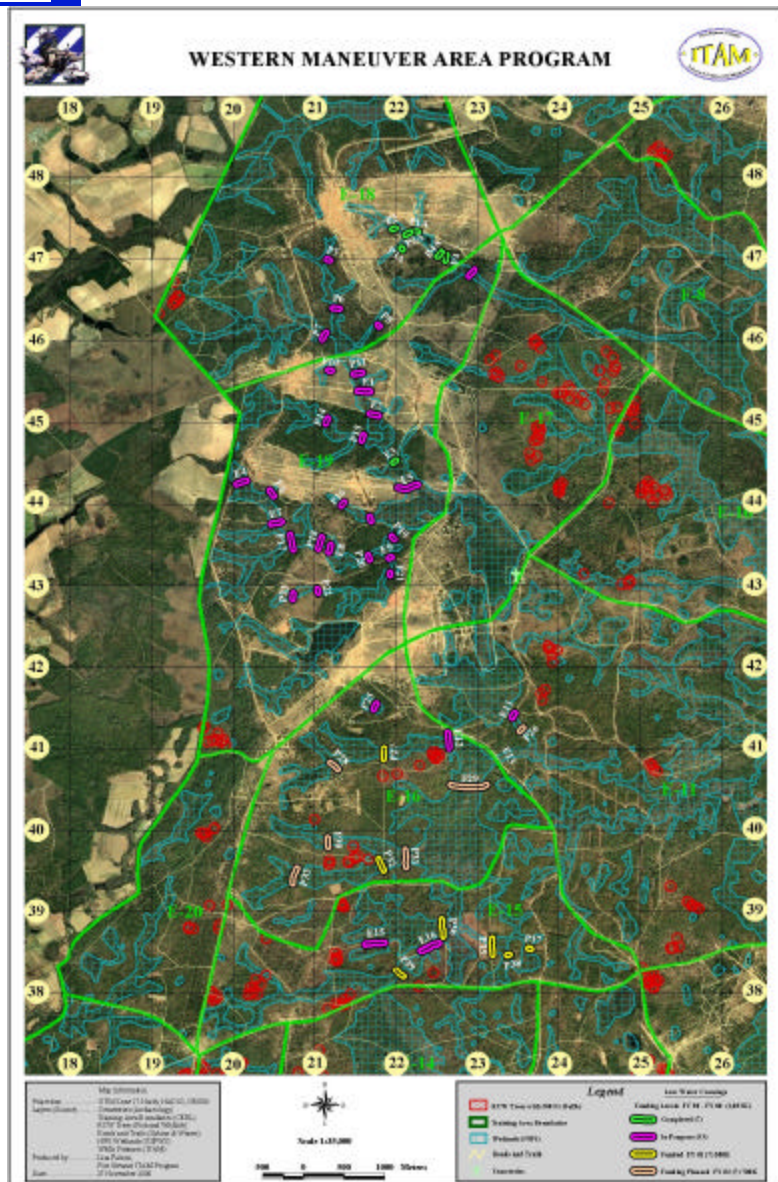


- Covered Under the EA
- Removal of Merchantable Timber From Approx 809 Acres
- Thinning to 50 sq. ft. DBA of over 1500 Acres
- No Clear Cutting of Wetlands
- Erosion and Sediment Control Measures to be emplaced





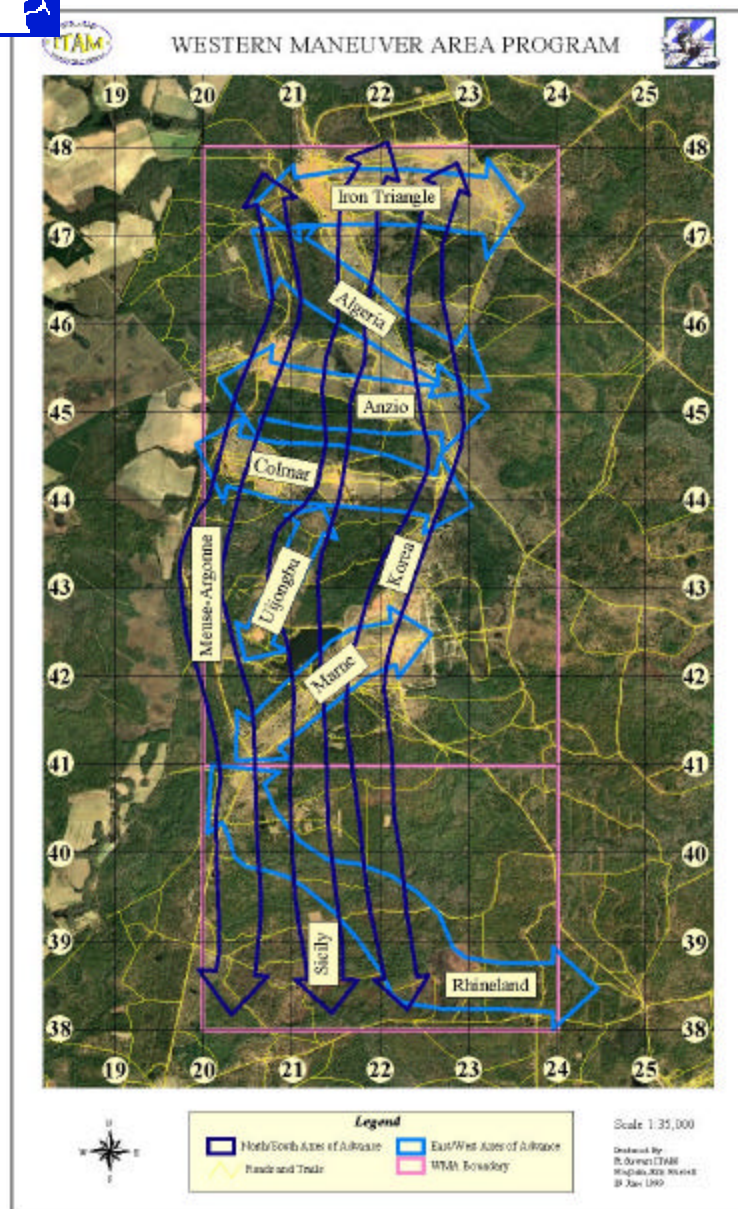
# Map Showing LWCings



- 54 Low Water Crossings
- **Green**— 7-Have Completed to Date
- **Purple**—33-Under Construction
- **Yellow**—7-To Be Funded FY-01
- **Beige** — 7- To Be Funded FY-02 or FY 01 SAF
- Funded by ITAM, OMA, and Year-end UFRs



# Corridors With Names

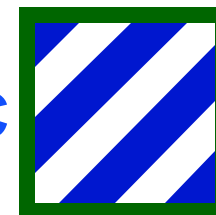


- Three Main North-South Corridors
- Three East-West Corridors
- Three Transitional Corridors
- One Exit Corridor To Training Area Vic Bethel Cemetery

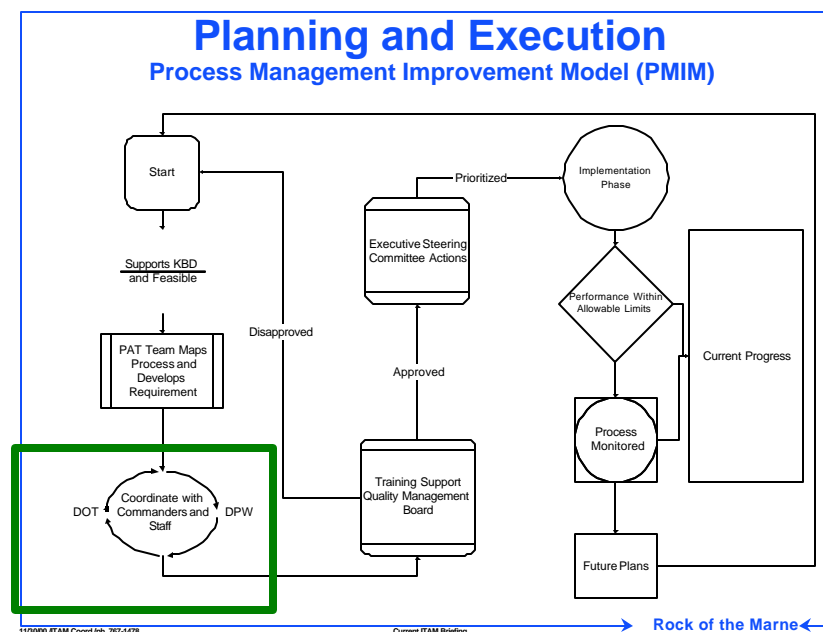


# Case Study

## Digital Multipurpose Range Complex DMPRC



- **Identified Requirement: Digital Multipurpose Range Complex (DMPRC) - FY06**
- **Joint Working Group Formed**
  - Directorate of Training/ Range Division /Integrated Training Area Management Program
  - U. S. Army Corps of Engineers
  - Environmental Natural Resource Division
    - » Fish and Wildlife Branch
    - » Forestry Branch
    - » Wetlands
    - » Cultural Resources
  - Division Staff
  - FORSCOM Staff
- **Six Options to minimize Impacts**



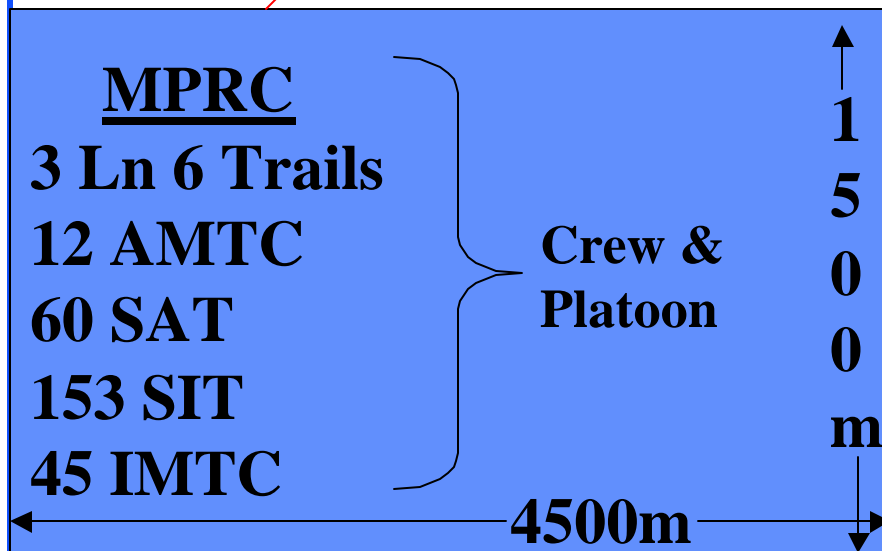




# ***MPRC & DMPRC***



**8000m**



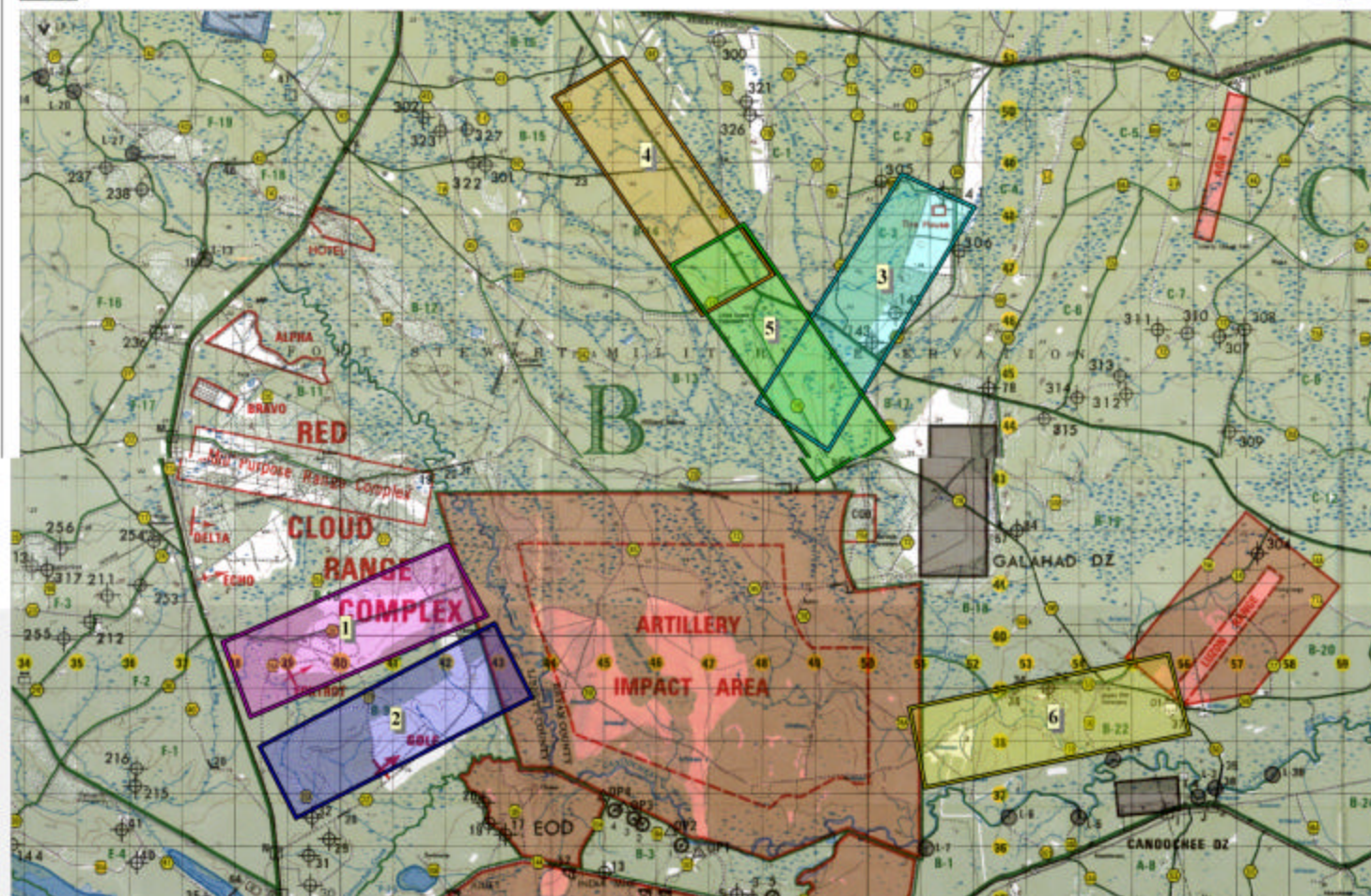
**Live, (Crew, Platoon, & Combined Arms) Virtual & Constructive Domains**







## Proposed DMPRC Locations



Map Information  
Projection: UTM Zone 17 North, NAD83, GRS80  
Produced by: Lisa Falcetti  
Fort Stewart ITAM Program  
Date: 24 October 2006

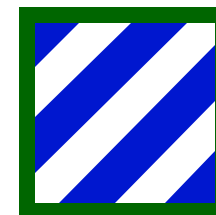
Scale 1:25,000

0 1000 2000 3000 4000 Meters

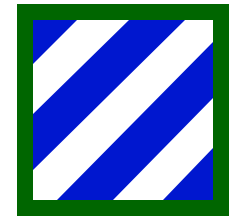




# Environmental and Training Staff Integration



- **Frequent interface**
- **Joint Working Groups for projects**
- **Comments on Printed Documents**
  - RTLP
  - Integrated Natural Resources Management Plan (INRMP)/Endangered Species Management Plan (ENMP)
  - National Environmental Policy Act (NEPA) Documentation Concerning Projects For Training
  - TES studies and documentation
  - Environmental Awareness Products and Briefings
  - Environmental Compliance Officer Classes
  - Command and Staff Briefings
  - Company Commanders and First Sergeants Course



## WHAT THE TRAINER SEES.....

MANEUVER  
OBSTACLES

COVER

CONCEALMENT

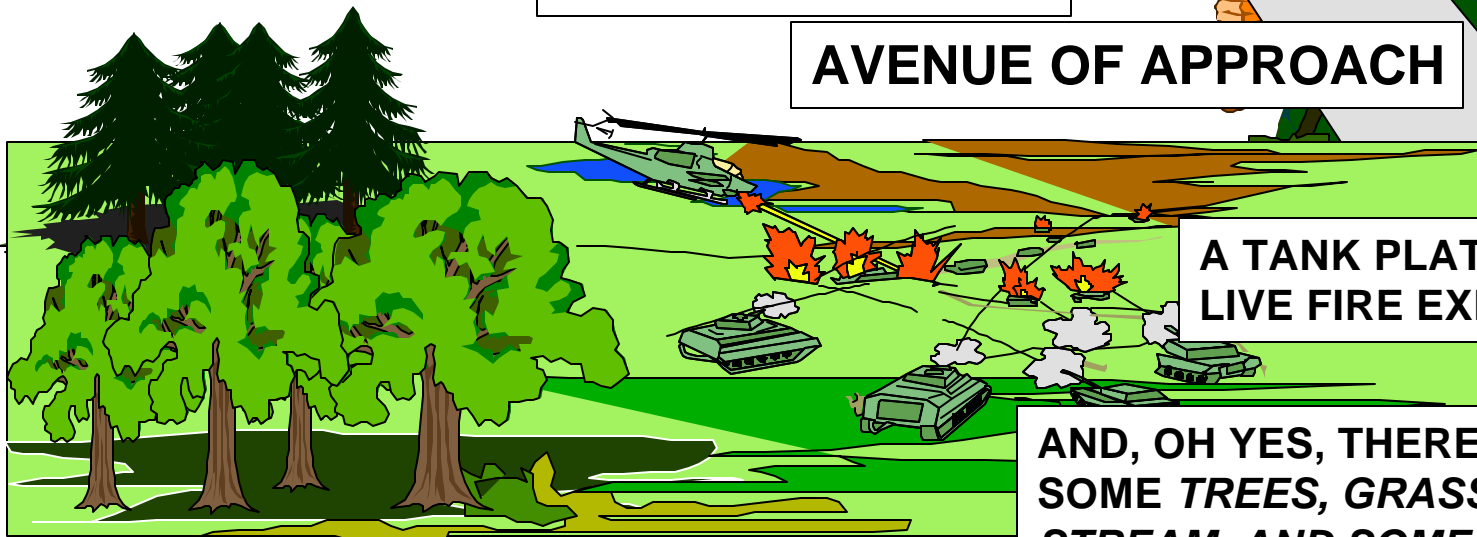
TRAINING FOR  
COMBINED  
ARMS OPERATIONS

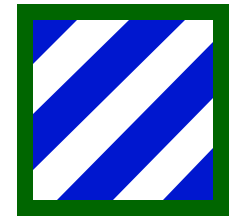
AXIS OF ADVANCE

AVENUE OF APPROACH

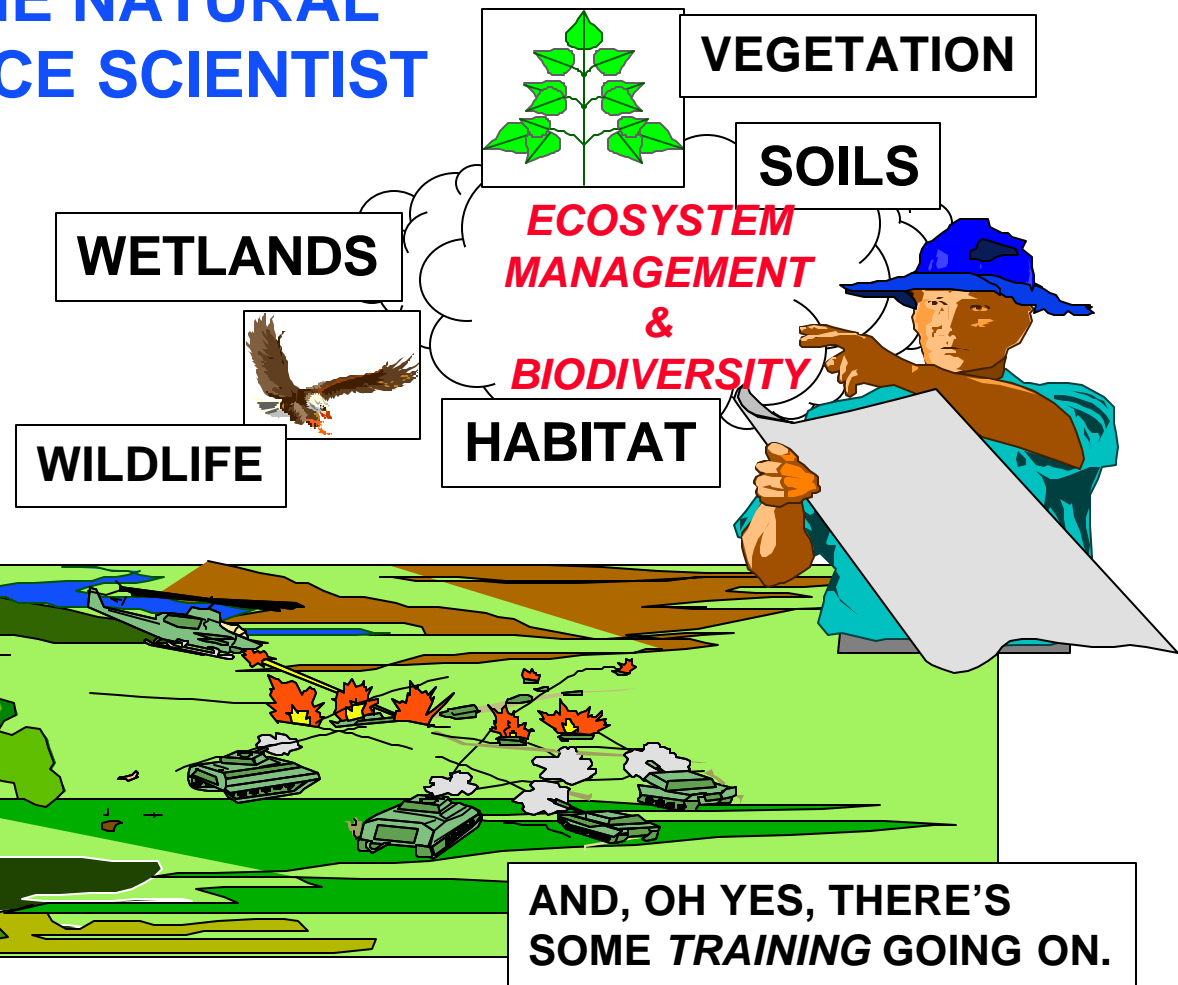
A TANK PLATOON  
LIVE FIRE EXERCISE.

AND, OH YES, THERE'RE  
SOME *TREES*, *GRASS*, A  
*STREAM* AND SOME *HILLS*.





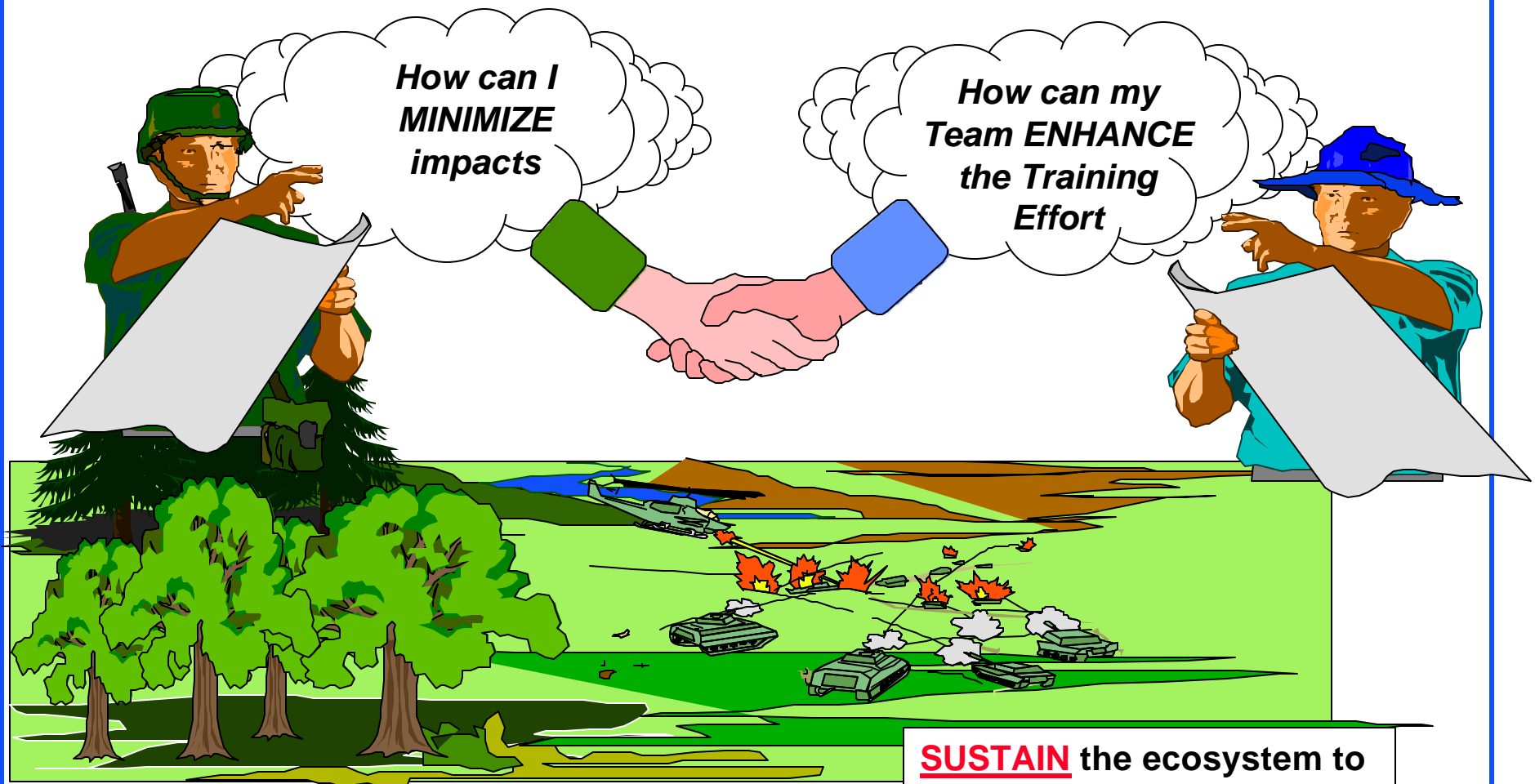
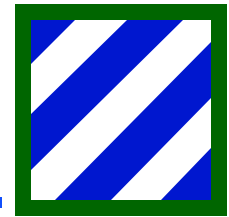
## WHAT THE NATURAL RESOURCE SCIENTIST SEES.....





# CHALLENGES

## A DIFFERENT WAY OF THINKING.....



**SUSTAIN** the ecosystem to  
support realistic **TRAINING**





# Meeting the Challenges



- **FORESTRY**

- Thin uplands to 50dba (Henry Guidelines)
- Burning
- Selective clear-cutting

- **TES**

- Meet Henry Guidelines which are Optimum RCW Habitat.
- Protect Habitat

- **WETLANDS**

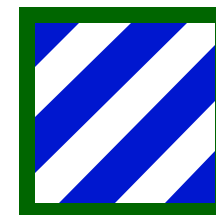
- Create LWCings
- Wetland Bank

- **Historic/Cultural Areas**
  - Identify-Mark-Protect

- **Range Division/ITAM**
  - Regulations
  - Operate within all guidelines
  - Environmental Awareness & Seibert Stakes

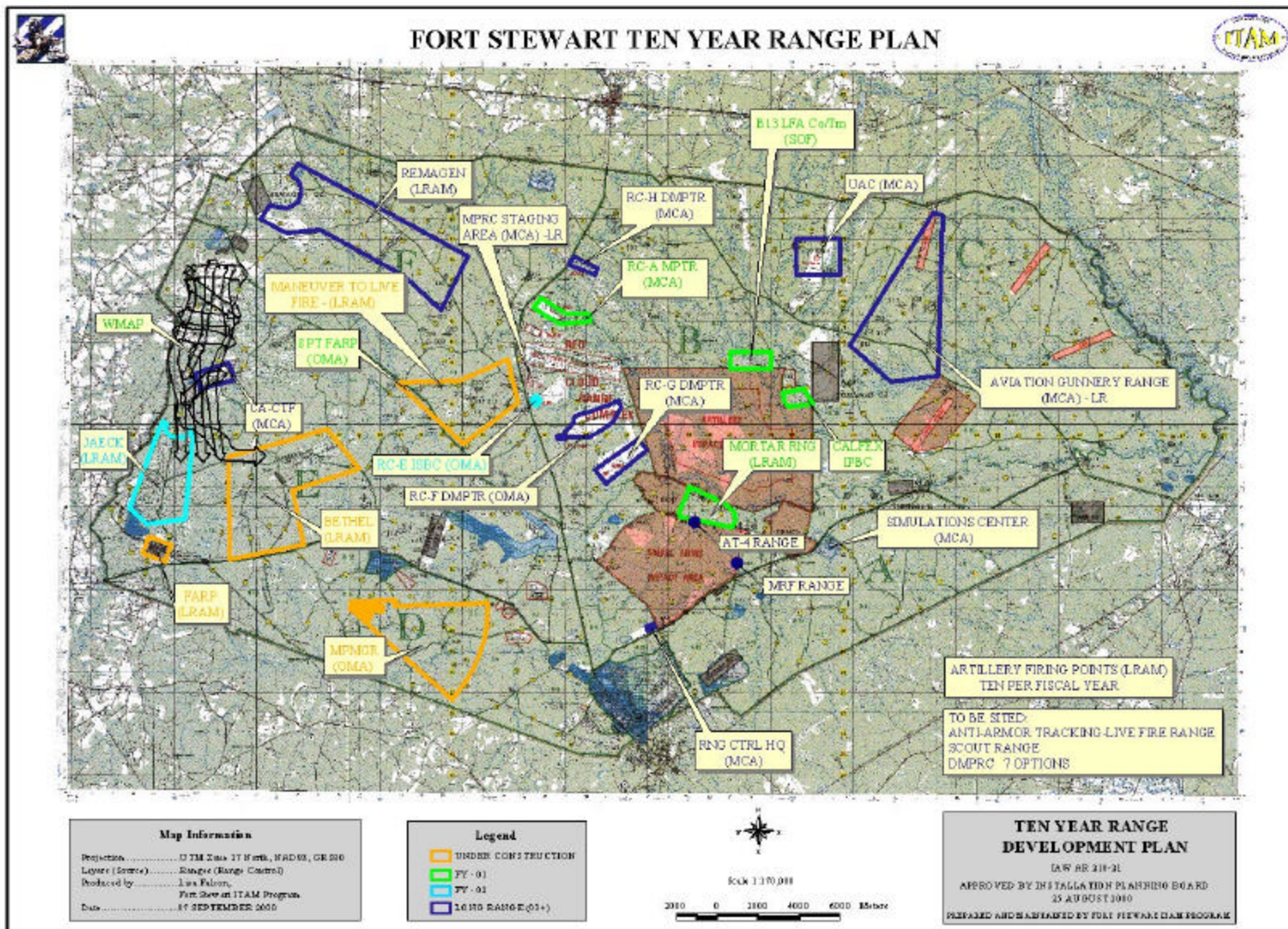




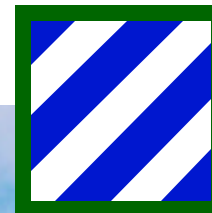


# Conclusion

Process Management Improvement Model (PMIM) is an effective tool to ensure a complete integration of Training, Command Guidance, Environmental Programs and Awareness.







QUESTIONS?

FSC EIMC FSDA